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THE HORN SPEAKER

ARMSTRONG

Pioneer of the super-hetrodyne receiver and broadcasting by frequency modulation.

by Felicia Kreuzer

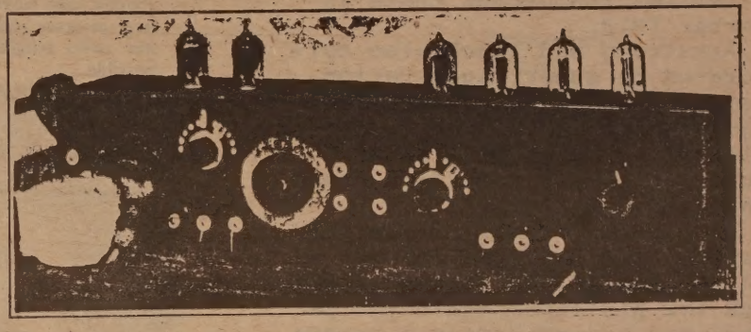
Edwin Howard Armstrong was born December 18, 1890. His early days were spent in New York City where his father was a printer. His mother and several aunts and uncles were schoolteachers and so he was influenced in the direction of reading and study.

At the age of 9, a blow on the head or an infection brought him down with St. Vitus' dance. After recovering he had a more serious disposition and also a tic, which was evident during periods of stress.

He loved mechanical toys such as trains and played tennis throughout most of his life. Biographies of Faraday and Marconi led to his desire to become an inventor. During his later teens he experimented with spark coils and coherers, earning him the nickname; Buzz. At nineteen he built a 125 foot antenna mast from 2 x 4 lumber. He enjoyed sitting at the peak of his tower for hours.

He enrolled in electrical engineering at Columbia, excelling in telegraphy and various branches of electricity. At 21, on a mountain climbing vacation in Vermont, he got the idea for his famous regeneration or feedback circuit. He passed the detector's plate current through a coil which was coupled back to the grid coil. Thus producing a hitherto unknown degree of amplification. His father refused to advance him money to apply for a patent, fearing that this would interfere with his college graduation. But he finally did put in his application and received his patent in October 1914. With his regenerative receiver he was able to receive sig-

First Super-Heterodyne



Armstrong's original super-heterodyne, developed during the closing days of the Kaiser's War.

The set was still in use in 1928 in the office of Chief Signal Corps Officer, U.S.Army, at Washington. Today it is part of the historical collexion of that office.

Armstrong was to subsequently lose a suit against other pioneers, chiefly DeForest, as the inventor of regeneration. Despite the powerful backing of RCA, who held an inordinate number of Armstrong patents, the decision by the Supreme Court in 1929 settled the issue, and thereby released a flood of Rube Goldberg circuits.

from
VINTAGE RADIO
IDENTIFICATION SKETCH-BOOKS

nals from Germany before the war broke out.

His findings were declared invalid by Lee DeForest, who filed patent claims and declared himself prior inventor. A.T.&T. bought DeForest's patents, ignoring Armstrong's rights entirely. It was not until 1916 that Armstrong licensed American Marconi under his patents.

Armstrong joined the Signal Corps. when America entered the war in 1917. He was assigned the important work of developing communications. That same year Harry Houck also joined the service and was assigned to report to Armstrong in Paris In testing Houck's circuit knowledge Armstrong watched him draw his own feedback circuit. Asked where he had learned of that circuit, Houck quoted "Wireless World" "and you know, Captain, the fella who invented this has the same name as you." This undoubtedly brought quite a laugh from Armstrong and led to a lifelong friendship. Houck and Armstrong developed the Superheterodyne principle in France and applied for the patent there in December 1918.

Armstrong and Houck also collaborated on super regeneration. A means of bringing an oscillating detector in and out of oscillation by means of a 20 KC modulation, which amplified the signal 100,000 times.

President Sarnoff of RCA paid Armstrong the handsome sum of $200,000 and 60,000 shares of RCA stock for his superheterodyne patents. The superheterodyne became a great commercial success for RCA between March 1924 and 1927.

In 1922 Armstrong met and married Sarnoff's secretary, Marion McInnis. Shortly thereafter began the long drawn out legal battle with Lee DeForest over patent rights. As a result of the 1924 lawsuit DeForest was issued patents for Armstrong's invention. This battle continued, reaching the Supreme Court, where in 1934 DeForest was named prior inventor of regenerators and Armstrong an infringer.

From 1928 to 1934 Armstrong worked diligently developing a new idea, frequency modulation. The FM signal is passed through a limiter tube which removes all amplitude modulation including most of the static and man made interference. There it is passed to a discriminator tube which converts the FM signals to audio frequencies.

Armstrong demonstrated his FM System to Sarnoff in 1933 and in 1934 set up a transmitter in the Empire State Building. RCA held

THE ARMSTRONG PATENT

How an Undergraduate at Columbia University Discovered One of the Most Important Instrumentalities in the Radio World

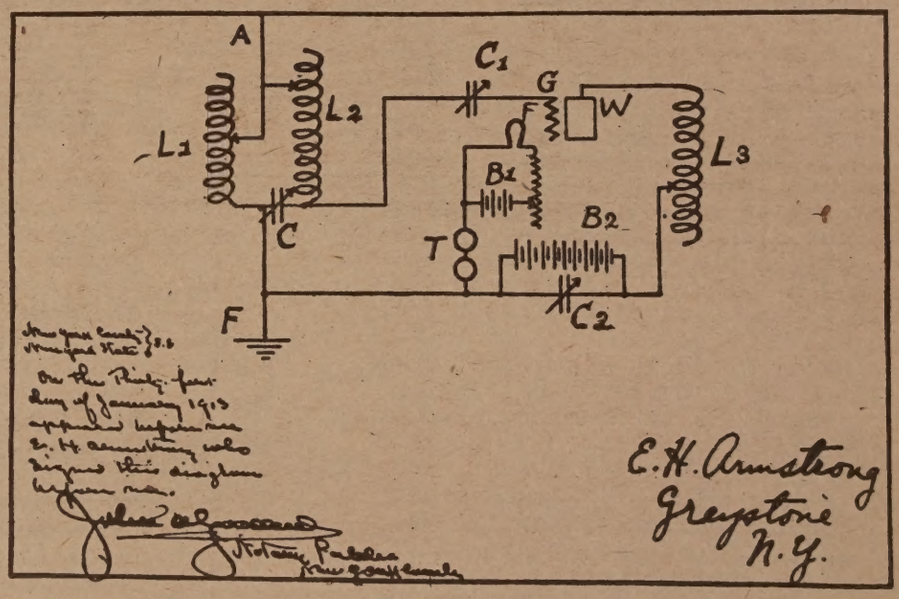
MR. EDWIN H. ARMSTRONG has been confirmed by the United States District Court of Appeals as the inventor of an instrumentality which has been referred to as "one of the most important inventions, if not the most important, in the wireless art." By a striking coincidence the decision comes in the midst of the development of a great public interest in a service made possible by the invention.

Mr. Armstrong is a young man and was a student at Columbia while he was perfecting his revolutionary method. The instrumentality is the Armstrong feed-back circuit, the invention which makes possible the amplification of incoming radio waves, and lacking which neither long distance radio telephone communication nor radio telephone broadcasting would be possible.

The Court of Appeals thus upholds the decision handed down a year ago by Federal Judge Julius Mayer in the long fight between young Armstrong and Dr. Lee de Forest and the De Forest Radio Telephone and Telegraph Company. The decision of the court, which is final, means that no long distance telephone communication, no nightly broadcasting programme can be carried out without using the Armstrong patent. Even the modern multiplex forms of wired telegraphy and telephony must use the methods.

The story of Armstrong's struggle for recognition has well been called one of the most romantic incidents of scientific achievement. He began his experiments with radio as a boy of fifteen. Before and during his student days at Columbia he became a close student of the fundamental action of the audion and read all the literature available on the subject.

THE ORIGINAL DRAWING OF THE FEED-BACK CIRCUIT WHICH LARGELY DETERMINED THE COURT IN ARMSTRONG'S FAVOR



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off adopting his system commercially as they had become interested in yet another signal mode television. This forced Armstrong to use his own financial resources in developing FM. He had difficulty in getting a government license for an FM transmitter, having to wait two years until 1936 for approval. He was assigned the frequency of 2.7 megacycles and 5 channels. RCA finally made Armstrong an offer for his FM patents but a price could nor be agreed on.

World War II arrived and the then Major Armstrong was in service again, working to adapt FM to military communications. He also did some work on radar; too late for the war effort, but he was awarded the medal of Merit by President Truman at the close of the war.

In 1945 the F.C.C. moved FM from the 50 M.C. band to between 88 and 108 mc forcing a complete rework of transmitters and a two year set back in commercial development. In 1948 Armstrong filed suit against RCA ans NBC for willfully infringing the basic FM patents.

In 1953 Armstrong reached the end of his financial resources. His money had gone into FM development and into several costly lawsuits. He had aged 10 years prematurely. In November his wife left him and went to live with a sister in Connecticut.

On January 31, 1954 Armstrong, lonely and sick at heart, wrote a two-page letter to his wife expressing his love for her and deploring the toll the years had taken on them. His final words were: "God keep you and the Lord have mercy on my soul." He dressed neatly as if to go out for a walk. He then climbed out of a 13 story window, falling to a third floor projection overlooking the river. There he was found the following morning by a building maintenance worker. The long years of pressure and litigation had finally taken their toll.

References:
Man of High Fidelity: Edwin Howard Armstrong, by Lawrence Lessing, March 1969, Bantam Books, Inc.

From the N.F.W.A., official bulletin of The Niagra Frontier Wireless Association, Box 68, Station H, Buffalo, New York 14214

HAPPY COLLECTING

Hint for collectors

Bob Ragsdale called me from Oregon and he told me that he had some radios for sale. He wanted a sample copy of THE HORN SPEAKER to see how to place an ad. Well, I have not yet received the ad, but to help a THS subscriber get the radios, here is how to contact Ragsdale; Route 21, Box 192R, Milton- Freewater, OR 97862.

Next nonth, we will try to get back on track with the DeForest story.

72 RADIO BROADCAST May 1922

Sometime during this period he connected a condenser across the telephone of a simple audion receiving system and noticed that on some bulbs an increase in signal strength would result.

He proceeded with his careful studies and experiments and obtained what he believed to be remarkable results. He showed the results to his father and asked for money with which to make application for a patent. His father refused, apparently not greatly impressed. Armstrong then applied to his uncle who also declined to finance him but suggested that the young man make a drawing of his principle and have it witnessed by a notary. Armstrong did so and it proved to be the most significant event of his life. The decision of the court was very materially influenced, it is apparent, by the fact that Armstrong had definite theories and beliefs about his invention and had carefully recorded them.

Armstrong failed to get the support of his family, but he did gain the attention of Professor Michael I. Pupin who took him into the Marcellus Hartley laboratories at Columbia University and enabled him to continue his researches. Litigation began in 1916 and continued until this country entered the war when a truce was signed. Armstrong was commissioned a major in the Signal Corps and was sitting in Hindenburg's former headquarters at Spa, Belgium, after the Armistice when a cablegram from his lawyer announced that Doctor de Forest was again pressing for action. The end has now been reached.

In the meanwhile Armstrong had issued licenses for the use of his patent in manufacturing receiving sets to seventeen different concerns, and then sold the patent itself to the Westinghouse Company. Under the licensing agreement which the Westinghouse Company has with the other manufacturers which sell through the Radio Corporation, the Armstrong circuit will continue to be used by them. The decision will not affect these manufacturers nor the public. It will give credit and profit where both are due.

E. H. ARMSTRONG
The discoverer of the "feed-back" circuit, in the uniform of a major in the Signal Corps during the war

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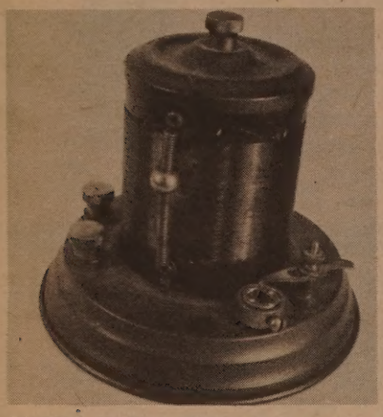

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FOR SALE: AIRLINE MIDGET BAKELITE, model 7???, very good, $25. Philco 49-603, very good, opens like a book, $25. Heathkit Mohican, mint, $75. Admiral Bakelite, 45-J15, BC/SW, very good, $25. JUNKERS: RCA Victor 45X1, good cabinet, FOS page 155. Crosley 56-PB, AC/Batt. Philco Transitone 52-540. All $5. Add shipping. WANTED: Mint condition 24 hour clock for Hammarlund HQ-100A with installation instructions. J. S. Lowe, 3025 Harpers Ferry Road, Sharpsburg, MD 21782.

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FOR SALE: RCA VICTOR portable AM radio #BP-10. 4 tube superhet, unusual about 1/4 the size of a shoe box, it is oblong, handle on side, lid opens, chrome grill frontpiece! Nice! Best offer. Like new. TUBE CHECKER (old new tubes), pocket size, unused with instruction manual. quanity available. $6.50 each. P.Pd.; — Military technical manuals, complete service with schematics for receivers. R-392/URR, R-390A/URR $15 each P.Pd.; — Other T/M's available, low cost, send wants; — Dynamotor DM-34 #5; — Old crystal radio kits. Instructions, parts included. (quanity available) $11. each P.Pd. (10 for $90). D. Testa, P. O. Box 9064-HS, Newark, NJ 07104.

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HEATHKIT HW-100, SHIP COD. M. G. Clute, K5DXV, Route 1 Box 1, Jewett, TX 75845.

****

RME 69 EARLY RECEIVER. rack mount, generally good, weak on 160 meter band $95; loose coupler, unusual replica $35; crystal grinding outfit $15; very early RCA/GE/Acme transmitter power supply transformer and choke (for Vu-202 & such) iron case $45; Polaroids $1.00. All plus UPS. Paul C. Crum, W9LC, 6272 N. Cicero Avenue, Chicago, IL 60646. (312) 282-3033.

****

SERVICE MANUALS RIDERS, HOWARD SAMS, RCA, PHILCO AND OTHERS. TUBE TESTERS, SIGNAL GEN'S. NEW AND USED TUBES, SERVICE PARTS, NEW N.O.S. VOLUME CONTROLS. DIAL BELTS. DIAL BULBS AND MORE. 1,000'S OF UNLISTED PARTS. WRITE WANTS AND SASE. NEW LIST SASE. JAMES BIDDLE FOOT CANDLES LIGHT METER $25.00. WESTINGHOUSE FOOT CANDLE LIGHT METER BAKELITE CASE $20.00. RADIO PANELS SIZE 24" X 7" $18.00, 26" X 7" $19.00, 18" X 8" $18.00. SMALL REPO (PLASTIC CASE) AM-FM) (NEW) CATHEDRAL RADIO 8" HIGH $14.00. ALL PLUS SHIPPING AND HANDLING. SERVICE SINCE 1930. KRANTZ, 100 OSAGE AVENUE, SOMERDALE, NJ 08083.

****

STEWART WARNER model 305, Stewart Warner speaker, American Bosch model 360, Silvertone model 1385, Clarion Jr. 320 superhetrodyne, small mirror tone deluxe," ivory colored radio with red knobs, case only for a Kennedy cathedral. Send for new list. Clifforf Schoen, 549 Fulton St., Seymour, WI 54165. Phone (414) 833-2429.

****

FREE: Send 2-stamp LSASE for just released Flyer, No. 189B to: Olde Tyme Radio Company, 2445 Lyttonsville Road, Suite 317, Silver Spring, MD 20910.

****

MANY THOUSANDS OF OLD TUBES. LARGE 80, 81, 82, 83 BOXES OF WESTERN ELECTRICS RECEIVING AND TRANSMITTING TUBES, PEANUT TUBES, METAL TUBES, E. H. SCOTT TUBES, BOXES OF LOCTALS AND OCTALS. IV TUBES. ALSO FIRST EDITION RIDERS SUBSTITUTION GUIDE BOOK. ONLY SELLING ALL U PICK UP. TUNGAR BULBS. TO: BASIL ABBOTT, #4 BUNKER HILL, RICHARDSON, TX 75080.

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FOR SALE: to receive America's best list of radios, tvs, mags, etc.. send $1.50 for current list to: Jim Clark Enterprises, Dept.,HS, 1292 Starboard, Okemos, MI 48864.

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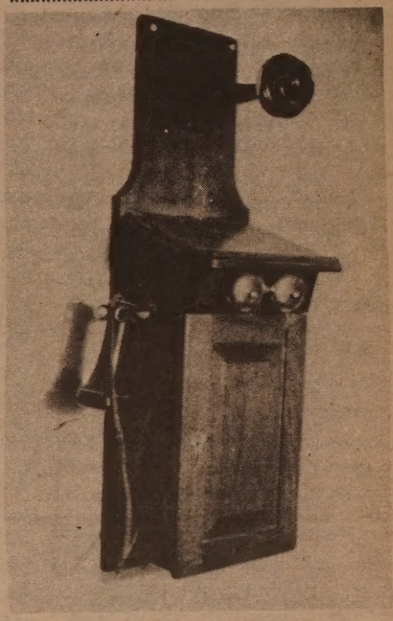

* ABOVE PICTURED TELEPHONE $300.00 plus shipping. Also, two tube Michigan radio... excellent to mint condition. $200.00, plus UPS. R. Matson, RFD#1 Box 2943, Kennebunk, ME 04043. (207) 985-3751.

****

* GREBE MU1 MINT — GLOBE MINT — SPARKS MINT — BECKLEY RALSTON MINT — CROSLEY 52 VERY GOOD — STEWART WARNER VERY GOOD — NORTH HOME VERY GOOD — 1927 NEUTRODYNE BLUE WORKS — (2) RCA RAXILCA MODE 6D, WORKS, AC, CABINETS REAL GOOD. (ED, ad difficult to read on this item) —(2) RECEIVERS - WORKS —AK 55 WORKS AC — AK 40 WORKS AC —AK 33 WORKS — SPEAKERS — 01A TUBES — VERY NICE CLOCK RADIO — Tubes with mercury, don't know what used for. — BUCKET FULL OF BATTERY RADIO DIALS — OLD ISSUES OF THE HORN SPEAKER. Russell or Irma Schoen, E7340 Nietzke Road, Clintonville, WI 54929.

****

SEND LARGE SASE for list of radios., Donald Juleen, 6252 Ledge Road, Sturgeon Bay, WI 54235.

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FOR SALE — HALLICRAFTER

****

* HALLICRAFTER SALE — S-15 SKY

Antique Radios

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x SCHEMATICS 1920-1960 x
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x YOUR $3.50 REFUNDED. x
x x
x ALTON H. BOWMAN x
x 4172 EAST AVE., RD 2 x
x CANANDAIGUA, NY 14424 x
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CHALLENGER (1936) nine tube superhet with copy of instruction sheet and schematic— all original except cabinet is home brew; Two- (as a lot) S41G Skyrider Jrs. (1946) all original, one dial is badly faded; S38C (1955) all original, very clean with copy of manual; HT 18 (1946) 4 watt VFO 80 thru 10 with NBFM, all original, front panel, very good, case missing; SX105 (1958) ten tube VHF (152-173 megahertz) FM receiver— all original good condition. Offers please, or what do you have to trade? Parker, W1YG, 87 Cove Road, Lyme, CT 06371. (203) 434-7783.

****

FOR SALE — PHILCO

****

PHILCO 95TH ANNIVERSARY limited edition cathedral radio, AM/FM transistor chassis, look a like to Philco model 90 - 1932- collector's item, only $59.95 plus $5.00 shipping. Maurer TV, 29 South 4th Street, Lebanon, PA 17042.

****

PHILCO CATHEDRAL RADIO, model 37-61, transistorized circuit, $100.00 — Charles D'Alessio, 136 Changebridge Road, Unit K4, Montville, NJ 07045.

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FOR SALE — RADIO CRAFTSMAN

****

RADIO CRAFTSMAN RC 8 TUNER ALL TUBES - BOTTOM COVERED. DIRTY BUT NICE CHROME. HAVE DIAL TRIM. ALL KNOBS, NO CABINET. $35.00. RUSS OLMSTED, 608 W. THOMPSON LANE, MURFREESBORO, TN 37129.

****

FOR SALE — RADIOLA

****

FOR SALE: FREED EISEMANN, model NR-7, front of cabinet is good, cabinet could use varnish, with tubes, in working condition with home made power supply and original instruction book, very clean inside, No. 96088. RCA model no. 75X17, serial no. B002243, rare Japanese art work on cabinet, works, very clean with tube layout, etc., on back of set, $175. Bill Wood, 714 W. Main Street, Memphis, TX 79245. (806) 259-2918.

****

VICTOR (ALHAMBRA) lowboy, Orthophonic Victrola in right side, working excellent, Radiola 20 battery radio in left side, tubes and speaker have continuity, did not apply power to battery radio, physical appearance is excellent. ASking $300 pluys shipping costs. Phil Guinan, 105 Page Road, RFD 7, Litchfield, NH 03051. (603) 889-6213.

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FOR SALE — RECORD AUCTION

****

I am planning to issue a ten inch Black labeled Victor record auction closing in December. Teh records will range in age from 1905 through 1955 approximately. Anyone wanting a copy of this list please send me your name and address on a postcard and ask for list BL2. Anton Johannes, R. D. #3, Box 253, Pine Bush, NY 12566.

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FOR SALE — RECORDS

****

23,000 RECORDS - SOME NEW, NEVER OPENED — ALL SIZE, ALL SPEED — OLDIE TO LATE - RADIO - CASSETTE AND 8 TRACK —— BUY ALL, GET A GREAT DEAL. —— HARLIE M. COX, 3427 W. HOLLY STREET, PHOENIX, AZ 85009.

****

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FOR SALE — SCHEMATICS, BOOKS, ETC.

****

SELLING ALL MY BOOKS, RIDERS - VOLUME 3 THRU 21. ALSO HAVE SOME RIDER TV MANUALS AND HAVE SAMS COVERING PILOT AND 7" TV'S. ALSO BOOKS ON ENGINEERING TUBES. AMATEUR. SASE 45 CENTS. THANKS. RUSS OLMSTED, K4UJZ, 608 W. THOMPSON LANE, MURFREESBORO, TN 37129.

****

* SCHEMATICS: 1920-1960. RADIO/TV CANADIAN/ELECTRONIC ORGAN/PA/MISC. Schematics are $3.50 plus postage. SASE for quotes on factory manuals. Your satisfaction or money refunded. 1924-1932 Atwater Kent electrical values: 22 pages — $4.00 ppd. 1931-1932 Philco electrical values: — $2.50 ppd. — Alton Bowman, 4172 East Avenue, RD 2, Canandaigua, NY - 14424.

****

FOR SALE. — PARTS, TUBES, MISC RADIO ITEMS, SURPLUS, HAVE LIST. NO SASE REQUIRED, MUST DISPOSE OF. REASONABLE GIVE AWAY PRICES. K4UJZ, R. OLMSTED, 608 W. THOMPSON LANE, MURFREESBORO, TN 37129.

****

FOR SALE: COMPLETE SET OF POPULAR ELECTRONICS MAGAZINES 1955-79. QST 1950-60 IN BINDERS (EXCEPT 55, 59). MIKE GRIMES, K5MLG, 3805 APPOMATTOX, PLANO, TX 75023

****

BACK ISSUES OF THE HORN SPEAKER - COMPLETE - FROM 1972 - 1989 IN FINE CONDITION. $50.00 POSTPAID TEL. # 273-5282. HERB F. DeGARMO, 203 3RD ST., EARLY, IA 50535.

****

1938 CAPITOL RADIO ENGINEERING COURSE COMPLETE IN 8 BINDERS PLUS 19 ISSUES OF CREI NEWS BULLETINS. 1943-50 ALL MINT CONDITION $225 U.S. VIA UPS PREPAID, JACK,(604) 522-2418, 6758 BRYANT ST., BURNABY, B.C. V5E 1S8 CANADA

****

FOR SALE OR TRADE= 1938 NATIONAL RADIO INSTITUTE RADIO COURSE: APPROXIMATELY 80 BOOKLETS IN TWO NRI BINDERS. 1938 NRI TEST ANSWERS IN NRI GREEN BINDER. 1938 RADIOTRICIANS SERVICE MANUAL IN BLACK BINDER. 1952 NRI RADIO COURSE IN NRI BINDER. ALL IN GOOD CONDITION. WISH TO TRADE AS PART PAYMENT ON ANY MANUFACTURED CRYSTAL RADIO, OR PARTS TO CRYSTAL RADIOS OR TWO CALIBRATED KNOBS 2 1/2" DIAMETER OR PHILCO ONE OR TWO TUBE 1938 SLANT FRONT KIT RADIO OR ANY SIMILAR ITEMS. RICHARD R. SPRATLEY, 2112 McLAIN STREET, CHESAPEAKE, VA 23324. PHONE (804) 545-2402.

****

THIS SERVICE MANUAL supplement contains a list of electrical values, resistors and condenser, coils and transformers in all Atwater Kent radios 1924-1933 inclusive $3.50 P.P. 24 pages. ***** THIS

BULLETIN contains the complete list of Philco black bakelite "by pass" condensers, new universal types, discontinued types with replacements and condensers with internal resistors $1.50 P.P. — Lee Williams, 20158 228TH S.E. Bothell, WA 98021.

****

FOR SALE— RIDERS MANUALS, ABRIDGED (VOL. 1-5) AND VOL. 6 THROUGH 16 $275.00. VOL. 9, 10, 14 $20.00 EACH. ANTIQUE RADIO SERVICE, O. H. McDONALD, 2535 WEDGLEA #124, DALLAS, TX 75211.

****

HOWARD SAMS #1 TO #115 MANUALS TO 1971 — NEIL CLUTE, K5VBP, ROUTE 1 BOX 61, MARQUEZ, TX 77865 — (214) 529-3712.

****

FOR SALE OR TRADE— POPULAR ELECTRONICS magazines 1956-79; QST 1950-60 in binders (except 55-59). Will break sets by year. Mike Grimes, K5MLG, 3805 Appomattox, Plano, TX 75023.

****

ELECTRONIC ORGAN SCHEMATICS AND MANUALS. SASE FOR PRICE QUOTES. MANY MAKES AND MODELS. ALTON H. BOWMAN, 4172 EAST AVENUE, RD 2, CANANDAIGUA, NY 14424.

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****

FOR SALE — SCOTT

****

E. H. SCOTT 19 TUBE NN134. 802 SPEAKER. POWER AMPLIFIER CHASSIS. NO CAB. MORE INFO. SASE AND $1.00 FOR PHOTOS. RUSS OLMSTED, 608 W. THOMPSON LANE, MURFREESBORO, TN 37129 (615) 893-5344.

****

SCOTT ALLWAVE 12 IN NAPIER CONSOLE CABINET, GOOD UNRESTORED CONDITION, CABINET NEEDS MINOR VENEER REPAIR, TUBE COVERS AND COIL CANS NEED RECHROMED. TRADE FOR BEST OFFER OF 1940'S JUKEBOXES AND/OR PRE 1941 SLOT MACHINES. ALVIN HECKARD, RD1, BOX 88, LEWISTOWN, PA 17044.

****

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FOR SALE — SPLITDORF

****

SPLITDORF JC S 102 308 radio in an Adler Royal cabinet, 44" high 38" wide, walnut with two large doors in front, extra set of tubes $200.00. (201) 228-0435. J. Baerenrodt, 5 Pine Road, Roseland, NJ 07068.

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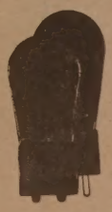

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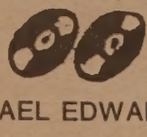

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RADIOS

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FOR SALE — TUBES, PARTS, ETC.

****

ELECTRON TUBES for sale, receiving, transmitting, military, obsolete — large inventory, FAST delivery — — Daily Electronics, P. O. Box 5029, Compton, CA 90224.

****

* DEALER RETIRING! TV TEST EQUIPMENT FOR SALE — Some new old stock tubes — no tube list — must send large SASE for test equipment — list and include tube needs — will respond with price —— MAURER TV, 29 S. 4TH ST., LEBANON, PA 17042.

****

TUBES FOR SALE: sub-minatures; 1AD4, 1AH4, 1AJ4, CK636, CK637, CK644. Acorn type; Eimac CIM 15E, 955, 957, 9004. MINATURE; 426A, 9002, 9003. NUVISTOR; 2CW4. CRT; 2BP1, 3BP1. TX tubes; VT4C, 10Y/VT25, WE CW 5D21, HY40Z, WE 393A, CRP 7054/VT255, JAN 715B, 807, CQN 836/VT236, CKR837, CUE838, 866A, 5514, GL8020. MISC.; 2X2A, 3B24, 3B26, 2K25 KLYSTRON, RK60, CRP72, HY114B, HY615, 717A, 885, 1625, 1626, 1642, 2050, 6080WA, 6550, 7193, MOST ARE NEW. (701) 282-6379, Ernie Jury, RR1, Box 373, Harwood, ND 58042.

****

THORDARSON FLYBACK YOKES $15. POSTPAID 2 - 167, Don Aldred, 39 East 8th Street, Jacksonville, FL 32206.

****

FOR SALE: UV201A's, good emission, brass base, no tip, (have 60) $15.00 each; Riders 1-5 abridged, 6 thru 14, $150.00; AK models 20c, 21, 30, 32, 35, 49; Acme double cone speaker $35.00; Radiola 17 cabinet $10.00; Radiola IIIa cabinet $15.00; Radiola 16 cabinet $5.00; Shipping extra. Will trade for AK, RCA or DeForest items. —— Raymond Thompson, 7422 Cherry Tree Drive, Fulton, MD 20759.

****

30 DAY SALE: New tubes in original cartons $2.00 each. OZ4, 1AD2, 1BC2, 1R5, 2AV2, 3HQ5, 3Q4, 3S4, 4BZ6, 4BZ7, 5AM8, 5U8, 6AH4, 6AL5, 6AM4, 6AM8, 6AQ6, 6AS8, 6AV8, 6AY3, 6BC7, 6BF6, 6BJ8, 6BK5, 6BX8, 6CM7, 6CN7, 6CS7, 6CU5, 6CU8, 6CY7, 6D8S, 6DK6, 6E45, 6FS5, 6GC5, 6HZ6, 6KZ8, 6U8, 6W6, 7AD7, 8AW8, 8CX8, 10EG7, 12A4, 12AB5, 12AL5, 12AT6, 12AT7, 12AV5, 12AV6, 12AZ7, 12C5/12CU5, 12D4, 12DB5, 12DT5, 12KS, 13DE7, 14E6, 14E7, 19AU4, 19J6, 35B5, 35W4, 35Z3, 50E45, 5963, 5964. Add $2.40 shipping (Wisconsinites add 5%) Don Diers, 4275-S4 North 50th Street, Milwaukee, WI 53216-1313. Send $1.00 (refundable) for lists of tubes and stuff.

****

FOR SALE: GRILL CLOTH. New, custom-made material in diamond pattern. Good match for 1930's radios. $6.00 for 10" X 12" piece, postpaid. Send SASE for sample. Michael Katz, 200 East 30th Street, Apt. 8E, New york, NY 10016. (212) 725-0736.

****

TUBES ONE-V 6.00, 6V5/6G5-6E5 12.00, 6L6-M 17.00, 6L6 GC 10.00, 5 and 12 V 3 and 4 prong vibrators 12.50 all ppd. H. f. Brammell, 204 E. Maple, Americus, KS 66835.

****

FOR SALE: NEW IN ORIGINAL BOX, 215-A WESTINGHOUSE $30.00. ONE BRASSBASE UV-201-A TUBE EX. CONDITION POST PAID. $20.00 NO TIP USED. CLEON BOOTHE, BOX 235, CO-HOCTON, NY 14826.

****

FOR SALE — ZENITH

****

I HAVE A CHASSIS for a Zenith 5807 console with 8 1/2" black dial, with tubes. $20.00 and UPS. H. F. Brammell, Box 319, Americus, KS 66835.

****

THE CABINET IS IN MINT CONDITION and the radio plays. It is a Zenith 12 tube superhetrodyne with a tuning range 540-13400 kyc., chassis 1204-A. Marshall T. Bond, 8713 Linkfair lane, Houston, TX 77025. (713) 668-0029.

****

FOR SALE: 1940'S VINTAGE ZENITH CONSOLE radio and phonograph. Cabinet is in excellent condition. $250.00 — Call (815) 838-5393. 5 p.m. to 10 p.m. c.s.t. Dick Stauss, Rt. 1 Box 399, Lockport, IL 60441.

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TRADE — ATWATER KENT

****

TRADE: I HAVE A NICE A-K 10 "breadboard" with M horn speaker for trade for a Collins bakelite panel amateur transmitter. Also need schematic for a Collins 32G transmitter. Parker, W1YG, 87 Cove Road, Lyme, CT 06371.

****

WANTED — ATWATER KENT

FOR MODEL 812 receiver, original factory service data, any other information, power transformer, Tune-A-Lite lamp. B. T. Wooters, W5KSO, 8303 E. Mansfield Avenue, Denver, CO 80237. (303) 770-5314.

WANTED: ATWATER KENT CATHEDRALS, ESPECIALLY MODELS 90, 92, 228, 246, AND 567. JIM COLLINGS, 12005 VICTORIA PL., OKLAHOMA CITY, OK 73120.

WANTED — BRUNSWICK

ONE PUSH BUTTON for a Brunswick radio. Chassis M-27-6 serial # 1237. It is brown bakelite, 7/16" in. diameter, 1" long. George C. Edwards, Route 3, Box 956, Henderson, NC 27536.

WANTED — CRYSTAL SETS

BUYING HOME MADE OR MFG. CRYSTAL SETS OR ITEMS. Tom Hartley, P. O. Box 29284, Parma, OH 44129

HOMEBREW CRYSTAL SET. Dial type mounted on nice wooden cabinet. Vernon Kostohryz, 600 Lakeside 3A, Brownsville, TX 78520. (512) 541-5692.

WANTED — EVEREADY

* EVEREADY MODEL 6 dynamic speaker in restorable condition for my collection. Ed Mondor, 121 Gatewaye Drive, Greenville, SC 29615. (803) 268-0952.

WANTED — GENERAL RADIO

ALWAYS INTERESTED in older General Radio test equipment and components. Frederick G. Suffield, 817 West Fir, SEQUIM, WA 98382. (206) 683-6482.

WANTED — GENERAL (mixed)

ELECTRON TUBES - ALL KINDS - ALL QUANITIES - CONTACT: CHARLIE DRIPPS, 4331 MAXSON ROAD, EL MONTE, CA 91732. (818) 444-7079 FAX (818) 444-6863.

Frank 1-213 926 6722

RCA RADIOLAS VII AND VIIB. WILL PAY UP TO $1,000 FOR EACH IN GOOD CONDITION; RIDERS 1929 TROUBLESHOOTER'S MANUAL; PARTS FOR ZANEY GILL, SPARTON MODEL 15, ERLA MODEL S5, GREBE SYNCHROPHASE; POWER TRANSFORMER FOR ZENITH 8S463; AK MODEL 24 DELUXE; AK LITERATURE AND ADVERTIZING. RAYMOND THOMPSON, 7422 CHERRY TREE DRIVE, FULTON, MD 20759.

GERMAN AND JAPANESE, CIVILIAN AND MILITARY RADIOS WANTED. BILL MOORE, 1005 FIELDSTONE CT., HSV, AL 35803. (205) 880-1207.

* INDEX FOR RIDERS AUTO RADIO VOL'S 1 AND 2. GERNSBACK OFFICIAL RADIO SERVICE MANUALS VOLUME 5, 6, INDEX. ANY PHILCO CATHEDRAL CABINETS OR UNRESTORED SETS. ANY JUKEBOX PARTS OR LITERATURE. INFORMATION ON AN ELECTRONICS MEASUREMENT CORP. MODEL 502 SIGNAL GENERATOR. BUICK TRANSISTOR RADIO. ANY TROY RADIO. CABINET FOR PILOT TV-37 TV SET. 3KP4 CRT. CAR RADIO SERVICE MANUALS AND PARTS BOOKS. NEW 600V CAPACITORS IN BULK LOTS. 50/30 MFD - 150 V ELECTROLYTICS. REPLACEMENT OR FACTORY SNT., RF, IF COILS IN BOX LOTS. MEISNER COIL CATALOG GIVING INTERCHANGE FROM MFG. PART NUMBER TO MEISNER NUMBER. PHILCO 70 DIAL ESCUTCHEON (BEZEL) TUBE SHIELD. ALVIN HECKARD, RD 1, BOX 88, LEWISTOWN, PA 17044.

* VICTOR THERAMIN., Complete if possible. Also power mains unit, as used in the 1926 Brunswick Panatrope/ with Radiola console PR148C or PR138. Herald horn for 1924. Amplion number AR-15t, Amplion number AR-45. George Anglin, 938 E. Prince Road, Tucson, AZ 85719. (602) 887-2899.

* WANTED BY COLLECTOR/ RESTORER OLD AMATEUR TRANSMITTERS WITH BAKELITE PANELS AND SQUARE MOUNTED METERS; MILITARY TYPE TV-2 TUBE CHECKER. PARKER, W1YG, 87 COVE ROAD, LYME, CT 06371. (203) 434-7783.

* SET OF KNOBS for Philco model 7T (page 124 F.O.S.) or Philco model 38-4. Conrad Spivey, 6226 S. Inwood, Shreveport, LA 71119. (318) 635-9056.

* 1. BATTERY BOX FOR GREBE SYNCROPHASE MU1 — 2. BLUE NEUTRODYNE RADIO. FRED SCHULTZ, 1246 LINCOLNWAY S., LIGONIER, IN 46767. (219) 894-3092.

FEDERAL JR. XTAL SET, good condition; medical quack machines, shocking belts, etc.; RCA items - Concert, ER 753, Radiola 24, RS; David Moore, 3213 Regal Oaks, Pearland, TX 77581. (713) 485-1705.

WANTED BY D. H. MOORE: INFRADYNE 28 Cover & Baseboard; ULTRADYNE L-3 Complete; RAVEN Super-Het Schematic; PILOT AF "Redi-Blox" (2); HAMMARLUND Shield Boxes & Auto-Couplers, late model (3); THORDARSON 171/250 Power Compacts; ACME D-Coil, R-2, R-3, R-4 RF Transformers; SAMSON PAM/P-PAF Transformers & Power Chokes. P. O. Box 521, Palo Alto, California - 94302.

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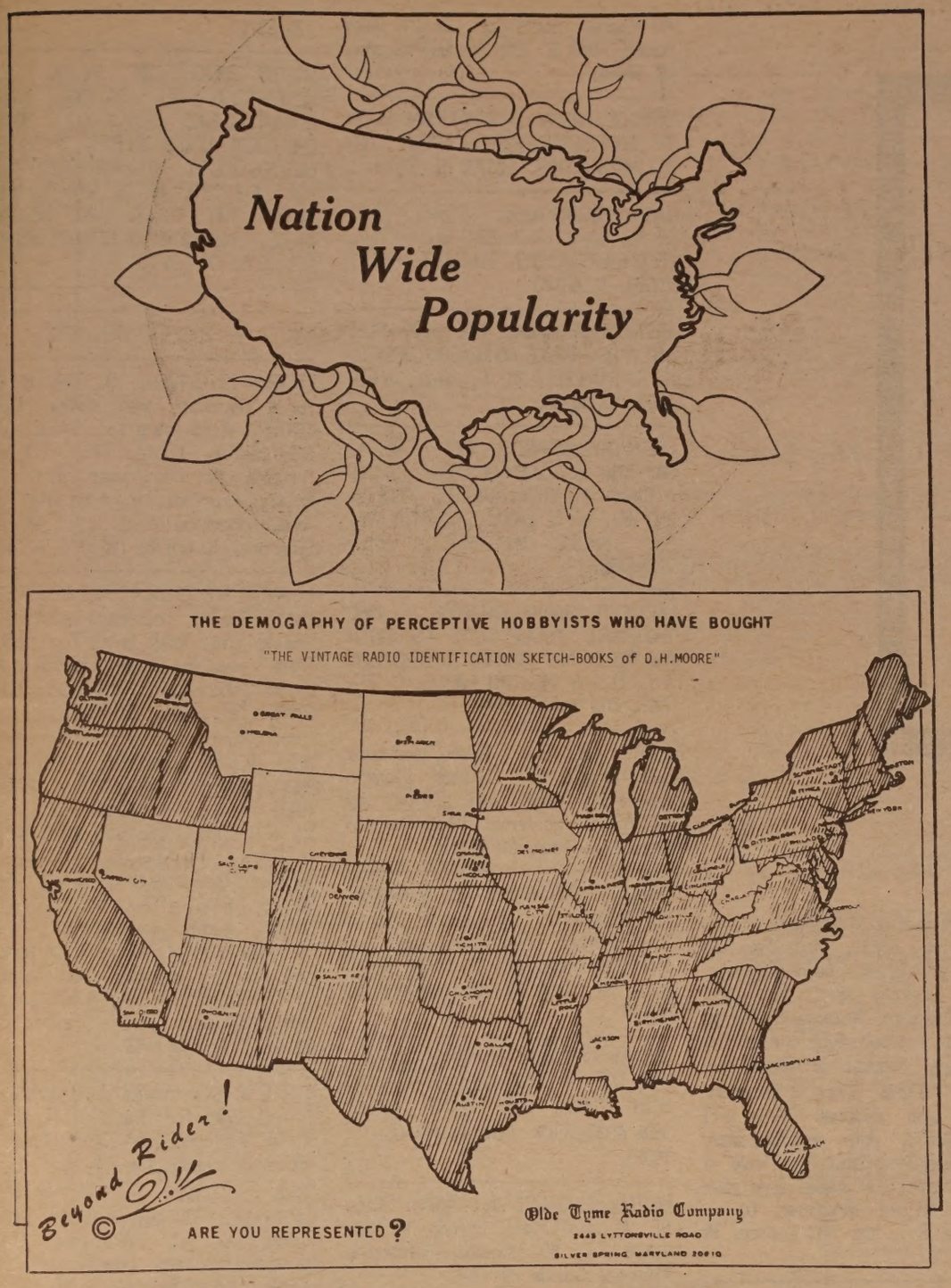
DIAL AND DIAL DRIVE FOR A PHILCO 16 CODE 121 OR JUNKER CHASSIS FOR SAME; UTAH DRIVER FOR THE BUILT-IN HORN ON A FRESHMAN MASTERPIECE. THOMAS BISEL, 2266 HALYARD COURT, SAINT LOUIS, MO 63129.

GENERAL RADIO DIAL KNOBS WITH METAL SKIRTS, WESTON SURFACE MOUNT METERS, AND ANY PRE-WWII AMATEUR RADIO EQUIPMENT. PARKER, 87 COVE ROAD, LYME, CT 06371. TEL. (203) 434-7783.

ORIGINAL BOXES that the following radios were packaged in when new: Motorola 65L11 anbd 65L12 (1942-1946), RCA "Globe Trotter" 66BX and 8bX6 (1946-1948) and Mitchell "Lullaby bed lamp radio" 1250 and 1251 (1948). Write to: Mike Hanke, 1036 South 15th Avenue, Wausau, WI 54401.

TEN TEC TRANSCEIVERS: ARGONAUT. POWER MITE. SWR.ANT. TUNER. TEN TEC SIGNALIZER. QRP MODULES, VO1, MX-1, AA-1, TX1, R. OLMSTED, K4UJZ, 608 W. THOMPSON LN., MURFREESBORO, TN 37129. (615) 893-5344.

L'TATRO, WILCOX-GAY, KINGSTON, MIDLAND (Decorah, IA made), KAROLA, PHILLIPS (made in Kokomo, IN) and



other lesser known brands. James A. Fred. R 1, Box 41, Cutler, IN 46920.

RIDER'S TROUBLESHOOTER'S manual Vol. I, 1929; AK model R horn; RCA Radiolas VII; VIIB; special; parts for Zaney Gill cathedral; parts for Sparton model 15; Raymond Thompson, 7422 Cherry Tree Drive, Fulton, MD 20759.

WANTED- HALLICRAFTER TRANSMITTER HT-6, HOWARD RECEIVER 430. STANCOR, THORDARSON TRANSMITTERS. POWER SUPPLIES. PARTS FROM ABOVE TO BUILD OR RESTORE. K4UUZ, 608 W. THOMPSON LANE, MURFREESBORO, TN 37129.

WANT TO BUY HEADBOARD RADIO, 1949 - 1950. Will pay $20.00. John Smith, 3824 Dutch Village Road, Apt. 52, Halifax, NS Canada B3L 4G2.

WANTED: 2 - 216A VACUUM TUBES, Continuity check on filament NG. Check with 6 volts 1.3 amps. for filament glow. WANTED: Gillfillan or Garod Neutrodyne receiver. Uses UV199's has meter on panel for A and B voltage. T. Drogoski, 507 Coal Valley Road, Jefferson Boro, PA 15025.

WANTED: CHASSIS FOR CROSLEY Buddy Boy model 58 and speaker, chassis and power supply for AK model 53, part for AK "breadboard" where 3 tubes sit on. Jerome Schliepp, 831 Berlin Road, Ripon, WI 54971. (414) 748-2471.

WANTED: EARLY CANADIAN RADIO MAGAZINES SUCH AS CANADIAN WIRELESS, RADIO INFORMER AND "RADIO". QST FOR 1918-19 ALL WAVE RADIO, SHORT WAVE CRAFT 1931, RADIO DESIGN AND RADIO BROADCAST 1928. RCA VICTOR R35 WITH CABINET. AUDIO TRANSFORMER FOR RCA R15 OR RCA RADIOLA 48. RADIOLA 20 WITH GOOD AUDIOS. SCREEN GRID TYPE BROWNING DRAKE OR FACTORY BUILT SINGLE CONTROL MODEL. SPARTON TRF MODEL 5-15 1925. COMPLETE CHASSIS WITH DIAL OR JUST GOOD DIAL SCALE FOR RCA 15 OR RCA RADIOLA 48. JONES 7 PIN PLUG WITH OR WITHOUT CABLE. CRYSTAL DETECTOR FOR RADIOLA V AND SE1420. RADIOLA 20 CHASSIS AND RADIOLA 16 CHASSIS BOTH WITH VERY GOOD AUDIO TRANSFORMERS. RON A. MCNEILL. P. O. BOX 472, Yorkton, SASK CANADA, S3N 2W4.

BUYING SCOTT AND McMURDO SILVER. WILL MATCH OR TOP ANY OFFER. JAMES E. BRAGG, 30881 ALISO CANYON ROAD, ACTON, CA 93550. (805) 269-0528.

DIAMOND "T" RADIO, dead horns, speakers, fixer upper sets, 32 volt items, parts for Bremer Tully Counterphase, Thorola, Stewart Warner 300, will swap repairs or ? — Jim Barratt, 26313 SE Leonard Road, Camas, WA 98607.

HOLTON ALTO SAX made in the 1920's. Can be gold or silver, but must have at least a 5 inch diameter bell. Absolutely no smaller. Old timers check your attics and basements. Send description and serial number to: Saxophone, P. O. Box 773, Wausau, WI 54402.

FRONT DOOR of AK Kiel table. Also want 16mm sound print of 3 stooges, "A Plumbing We Will Go." Jim Baker, 704 Medway Road, Hagerstown, MD 21740-4130.

WANTED — GLORITONE

CHASSIS for U. S. Gloritone cathedral radio, model 99A. Let me know what you have, price, etc. L. O. Evans, Sr., 202 Dianne Street, West Monroe, LA 71292.

WANTED — HALLICRAFTERS

HALLICRAFTERS SHORT model SX42. Call (312) 961-7737. Rich.

FOR SX-15 SKY CHALLENGER — original owner/ operator manual, any service information. B. T. Wooters, W5KSO, 8303 E. Mansfield Avenue, Denver, CO 80237. (303) 770-5314.

WANTED — LEUTZ

WANTED FOR LEUTZ MODEL "C" super-het.: 2 Weston No. 301 voltmeter 0 - 10 volts DC. 2 Weston no. 301 ammeter 0-5 amps. DC. 4 General Radio type 231 A audio transformer. 6 special Leutz I.F. transformers.

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Jim Lanphear
4062 Oak Point Ct.
Hayward - California
94542

1 special E.I.S. (Leutz) oscillator coil. 1 special E.I.S. (Leutz) R.F. coupler coil. John A. Rawlins, Jr., 1920 Stephenson Drive, Mesquite, TX 75149. (214) 285-2313.

WANTED — LITERATURE

RIDERS #1 TELEVISION SERVICE MANUAL AND RIDERS #2 RADIO SERVICE MANUAL. JIM CORIO, P.O. BOX 233, BLAWENBURG, NJ 08504.

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* OPERATING INSTRUCTIONS OR SCHEMATICS for the following. Electro Battery Eliminator, models F and P; Atwater Kent B power unit, model R; Instructograph code instructor; the Ferret test speaker model 721, manufactured by Coast Electronics; Sprague Tel-ohmike model TO-4 capacitor analyzer; Superior Genometer model TV-50 A; — Tube Testers: pre c:sl development mdl III - Precision mdl. 10 - 12. Navsh:ps Tech. manual 93883 PLS. 6-24; Standardyne Radio, Standard Radio Corp.; RCA mdl. 64E3 superhet... FOR SALE: Riders volumes 6, 7, 8, 12. Walt White, 4203 Hookheath, El Paso, TX 79922. Tel: (915) 584-4744.

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* RADIO NEWS MAGAZINES: 1923; all except August and November, 1924; need March, April, May, June and September, 1925; need January, February, March, April and July 1926; all except January, February, April and October 1927; all except June, July, August, November and December 1928; need October, November and December 1929; all except March, June and September 1930; need December only. Have a few duplicates for trade. Send your lowest price and condition to — Jim Fred, R 1, Box 41, Cutler, IN 46920.

KNIGHT RADIO 6 VOLT storage battery operated. Patented numbers are by the Hazeltine Corp., model 888E1649, in pencil this number 888E121K, has phono input plug, tubes are; 6N5 tuning eye, 19, 6D8, three 6S7, two 6L5 — Philip O'Donell, P. O. Box 944, Alleghany, CA 95910 — Tried two other magazines with no success. Hope I get results.

ORIGINAL LITERATURE showing complete line of 1973, 1974 and 1975 Motorola AM and AM/FM portable radios. Also original owner's manual for 1940's Motorola portable radios. Also original owner's manual for 1940's Motorola portable AM (model 65L11 or 65L12) Mike Hanke, 1036 S. 15th Avenue, Wausau, WI 54401.

SERVICE MANUAL FOR NATIONAL NC-7" TV RECEIVERS. FRED EMERSON, 627 ILLINOIS AVENUE, ELGIN, IL 60120.

SAM'S FOLDERS No's. — 55-5, 60-1, 61-16, 80-4, 81-3, 82-1 and 104-2, FRED EMERSON, 627 ILLINOIS AVENUE, ELGIN, IL 60120

INSTRUCTION MANUAL FOR EICO MODEL 950 A RC BRIDGE CONDENSER CHECKER. H. F. BRAMMELL, 24 E. MAPLE, AMERICUS, KS 66835.

EVERY DAY MECHANICS, VOL. I, NO. 4, MAY 1916 OR A COPY OF "HOW TO BUILD A TRANS- ATLANTIC WIRELESS RECEIVING SET. K. A. LADD, 5240 44TH AVE. S., MPLS., MN 55417. (612) 722-6786.

LAFAYETTE RADIO CATALOGS - 1960 THRU 1968, PLEASE STATE CONDITION AND PRICE. MR. MICHAEL S. SABODISH, SR., 11 - A MATAWAN AVENUE, CLIFFWOOD, NEW JERSEY 07721.

WANTED: OPERATING MANUAL and tube data sheets for Jackson Dynamic tube tester model 636. Zerox copy O.K. Frank Hoffert, 19605 Chardon Road, Cleveland, OH 44117.

WANTED - INFORMATION AND SCHEMATIC for Blaupunkt Sultan 3D radio. Model number unknown, 5 tube AM/FM/ SW. Write Ray Carifio, NALTS, 6014 SW 33rd Street, Miami, FL 33155

WANTED: LIBRARY BOUND volumes of QST, CQ, 73 PRE 1960. ALSO GLOBE SCOUT (WRL), MIKE GRIMES, K5MLG, 3805 APPOMATTOX CIRCLE, PLANO, TX 75023.

WANTED: SCHEMATIC AND INFO on Eico ST 70 amplifier. Gordon Wilson, 11108 - 50 Avenue, Edmonton, Alberta, Canada T6H 0H9.

WANTED: INSTRUCTIONS FOR PACO MODEL 25 IN-CIRCUIT CAPACITOR TESTER RCA WR-50A SIGNAL GENERATOR CRYSTALINER (CRYSTAL MODULES) GENERATOR, GLENN HARTMAN, 5545 DEEP HOLLOW, FAYETTEVILLE, NC 28311.

WANTED — NATIONAL

FOR NATIONAL HRO-50T receiver, original owner/ operator manual, CXO 100/1000 kc. xtal. calib., NBFM-50 adapter, SOJ-3 adapter, coil sets G, H, J, AB, AC. B. T. Wooters, W5KSO, 8303 E. Mansfield Avenue, Denver, CO 80237. (303) 770-5314.

WANTED DEAD OR ALIVE FOR RESTORATION OF NATIONAL HRO COMMUNICATIONS RADIO. OLDER MODEL PREFERRED USING EITHER 57/58 OR 6C6/6D6 TUBES. WILL PAY GOOD PRICE FOR COMPLETE UNITS WITH POWER SUPPLY AND COILS. DAVE MEDLEY, KI6QE, 1450 BAYVIEW HEIGHTS DRIVE, LOS OSOS, CA 93402.

WANTED — PARTS, TUBES, ETC.

INSTRUCTION MANUAL OR TUBE CHART for a Jackson model #648A, TUBE TESTER. Also same for Eico, #666 tube tester. Copies OK. Will pay for expenses. Need cover lid for AK 42 also knurled. Fine tune knob for same. Robert Selpien, 330 E. State, Sycamore, IL 60178. (815) 895-5117.

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* WANTED FOR PILOT MIDGET RECEIVER, the following; the brass escutcheon around dial and knob for same. Thank you. — Steve Sideroff, 46 Dutch Lane Road, Marlboro, NJ 07746. Tel. (201) 462-7987.

NEED SET-UP CHART FOR OLDER 4-5-6 PRONG TUBES FOR PRECISION SERIES 10-12 TUBE TESTER. DAN MAURER, 29 SO. 4TH STREET, LEBANON, PA 17042

NEEDED: tube testing valves for Sonora RA-1, DE-1, RE-2, SO-1, SO-2. audio transformer for Eveready model 1, 2, or 3, or Bosch #28. Power transformer for Sonora model 30, 32 or 40. John Swett, 8116 Olmway, Olmsted Falls, OH 44138 (216) 235-1463.

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2 DUD XFMR's for model 52 Crosley, 1 dud xfmr for Radiola III, dial scale for model 40-185 Philco, 1 rheostat knob for Paragon type DA-2, 1 type F AK variable condenser. Will buy or trade, State needs. Joe H. Vittitow, 1341 Harrodsburg Road, Lawrenceburg, KY 40342. (502) 839-5444.

CHANNEL SELECTOR KNOB. CHANNEL INDICATOR BEZEL FOR PHILCO PREDICTA. — Joe Cunningham, 917 Lunt Avenue, Schaumburg, IL 60193.

CHROME TUBE CAP FOR NEUTRODYNE BATTERY RADIO. RUSSELL SCHOEN, E. 7340 NIETZKE ROAD, CLINTONVILLE, WI 54929. (715) 823-6744.

NATIONAL TYPE PSK PRESELECTOR FOR NATIONAL FB7-A RCVR. SW3, FB7 COILS. NATIONAL VELVET-B POWER SUPPLY. PAT STEWART, W7GVC, 1404 RUTH AVENUE, WALLA WALLA, WA 99362.

TUBE SOCKETS— 3-4-5-6 PRONG COMPOSITE. 2-5-6-7 PRONG COMPOSITE.

1-5-7 PRONG COMPOSITE. 4-7-7 PRONG COMPOSITE. JACK S. WALLACE, 5516 GILBOW AVENUE, RIVER OAKS, TX 76114. (817) 732-5189.

COOPER-HEWITT MERCURY vapor bulb. TCBA, RR6, Box 181, Glens Falls, NY 12801

FIXED DETECTOR GRID RESISTANCE FOR ATWATER KENT MODEL 32 AK PART # 8190, ALSO GRID LEAK RESISTOR, AK PART #8190. ALSO FOUND IN MODELS 20c- 30- 33- 35. C. Hoffman, 824 Gordon Street, Allentown, PA 18102. Phone (215) 434-2536.

REPLACEMENT CONE MATERIAL FOR STROMBERG- CARLSON 601-TRF COMPANION CONE SPEAKER. LAWRENCE DE ROSE, 12 WILLS AVENUE, R.D.#1, STANHOPE, NJ 07874.

MACHINES SCREWS TO HOLD PANEL TO CABINET, RADIOLA III AND IIIA, I NEED TWO DOZEN. ERNEST HECKLER, 1314 N. SPARKMAN, HARTSELLE, AL 35640.

WANTED — BATTERY RADIO CHASSIS AND/OR ANY INFORMATION ON BRUNSWICK RADIOLA PHONOGRAPH, MODEL BR100, PATENT 1923 — DICK ROZNOVSKY, BOX 480, RICHFIELD, OH 44286.

WANTED: CABINET & AUDIO TRANSFORMERS FOR GREBE CR9, ARTHUR HARRISON, 501 ARBOR DRIVE, COLUMBIA, MO 65201. (314) 474-8729.

DIAL TUNING KNOB AND RESET LOCK SCREW FOR A WARDS 62501 TABLE MODEL RADIO, RIDER 10 - 22, H. F. BRAMMELL, 24 E. MAPLE, AMERICUS, KS 66835.

ZENITH DETECTOR COIL NO. S-8436 USED IN CH, 10A1, 10A2, 10B1, 10B2. ATWATER KENT MODEL 60 A.F. TRANSFORMER ASSEMBLY. L49B BALLAST TUBE. 45 RPM SPINDLE FOR B5R C129 CHANGER EV/GAME 436. CABINET FOR PILOT TV 37. 3KP4 CRT. ELECTRONICS MEASUREMENT CORPORATION. MODEL 502 SIGNAL GENERATOR, ASSEMBLY MANUAL OR SCHEMATIC. AUDIO INPUT XFMRS FOR SINGLE PLATE TO P-P GRIDS. ANY JUNKBOX PARTS, LITERATURE. ANY EARLY TWO AND THREE PIECE CAR RADIOS, UNITED MOTORS, B.O.P., ETC. ANY OTHER FACTORY CAR RADIOS FROM 30'S - 40'S. ANY SIGNAL SEEKING TYPE CAR RADIOS, MUST HAVE KNOBS. CAR RADIO KNOBS. — ALVIN HECKARD, RD1, BOX 83, LEWISTOWN, PA 17044.

EARLY OR UNUSUAL TUBES, tube cans, cartons also early light bulbs pre 1900. Please describe with prices wanted to: Bruce Harbeck, 13408 Westwood Lane, Omaha, NE 68144. (402) 333-9013.

HALLDORSON 3 to 1 audio transformer, copper casing. hard rubber panel 10 x 11 x 1/4. Gordon Wilson, 11108 - 50 Avenue, Edmonton, Alberta, Canada, T6H 0H9.

DETECTOR and AUDIO PORTION of GREBE CR2. Also need cabinet for same. NEED FRONT PANEL FOR SCOTT Phantom DELUXE. Larry Steeno, 2728 42nd Street, Two Rivers, WI 54221. (414) 794-7320.

MARCONIPHONE VIII cabinet, also Marconiphone VI chassis, or complete radios cash, or generous trade. Gordon Wilson, 11108 - 50 Avenue, Edmonton, Alberta, Canada, T6H 0H9.

WANTED— CABINET AND PARTS FOR A FEDERAL 61. Mike Kibler, 300 Speiter #39, Danville, IL 61832. (217) 267-3703.

WANTED — PHILCO

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* PHILCO MODEL 90B. Cabinet must be in original condition; radio and speaker original; not working OK but prefer all in original condition. Norman Crane, P. O. Box 12564, Tucson, AZ 85732. Tel.: (602) 749-9140.

WANTED: EMPTY CABINET for a Philco model 20 cathedral radio. I already have the radio and speaker. Must be in good condition. Joe Beach, 6515 Sunset, Garden City, MI 48135.

PHILCO MODEL 90B, working or not. Original speaker from Philco model 20— must be in good shape. Thomas Abell, 1022 S. Edison Ave., South Bend, IN 46619. Phone (219) 234-8405.

WANTED — PLASTICS

CHASSIS, SPEAKER AND GLASS DIAL FOR AN ADDISON CATALIN MODEL ON CASE IS R5A3 or WILL TRADE CASE FOR SMALL ADDISON CATALIN. CASE IS IN GOOD SHAPE. COLOUR OF CASE MAROON WITH BUTTERSCOTCH. PLEASE WRITE TO: JOHN SMITH, 3824 DUTCH VILLAFE ROAD, APT. 52, HALIFAX, NOVA SCOTIA, CANADA. B3L 4G2 OR TELEPHONE (902) 445-2021 AFTER 6:00 P. M. WEEKDAYS.

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* LOOKING FOR catalin, mirror and novelty radios? "Sight Sound Style" 16 page quarterly features these collectable radios! Articles, photos, prices and classified ads. $14.00 yearly, first class— $4.00 single copy. — SSS, Box 2224, So. Hack., NJ 07606.

WANTED: CATALIN RADIOS. All makes: FADA, OSWALD, EMERSON, MOTOROLA, etc. Top prices paid. R. Wayne Oliver, 355 Highwood Avenue, Leonia, NJ 07605. (201) 944-0777.

WANTED — RADIOLA

RADIOLA WANTED FOR 1923 PATENT BRUNSWICK MODEL BR100 RADIO-PHONOGRAPH UNIT. OPENING IN RADIO DECK IS 8 7/8" FRONT TO REAR, 16" SIDE TO SIDE AND DEPH CLEARANCE IS ABOUT 6" RADIOLA DROPS IN. PLEASE WRITE DICK ROZNOVSKY, P. O. BOX 480, RICHFIELD, OH 44286 OR CALL COLLECT (216) 659-6651.

LOOP AERIAL FOR PORTABLE RADIOLA MODEL 24 -- PAGE 112 OF VINTAGE RADIO. Albert Warren, Box 279, Church Street, Waverly, PA 18471. Phone (717) 587-2405.

WANTED — SCOTT

WANTED: EH SCOTT, SCOTT transformer or World's Record radios, sometimes copper or chrome plated. Especially looking for Symphony, AC9, Shield Grid 10B, World's Record Super 9, Shield Grid 9B, AW13, AW19, AW27, pointer dial Philharmonic, any Scott in these cabinets: Secretaire, Napier, Warwick, Ravinia Grande, Laureate Grande. Also want original literature, especially issues of THE SCOTT NEWS. Contact me first if you have anything SCOTT to sell. Jim Clark, 1292 Starboard, Okemos, MI 48864. (517) 349-2249.

WANTED — SONY

WANTED: OLD SONY radios. Jay Lewin, 400 east 54th Street, New York, NY 10022. (212) 935-5656.

WANTED — TELEVISION

TV'S, TV'S, TV'S! "Sight Sound Style" is published quarterly, mailed first class, $14.00 yearly. Features vintage televisions; articles, photos, prices and advertisements! SSS, Box 2224, So. Hack., NJ 07606.

WANTED — TEN TEC

WANTED: ANYTHING BY TEN TEC. Please state price and condition; condition unimportant: Herman F. Schnur, Rt. B Box 151, Greenville, NC 27858.

WANTED — WESTERN ELECTRIC

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* HORN FOR model no. 518W Western Electric. Also interested in tube and components for W. E. receivers and amplifiers. Ted Drogoski, 507 Coal Valley Road, Clairton, PA 15025.

WANTED — ZENITH

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* ZENITH - (any non working) 11 or 12 band "Oceanic" — And O-MANUALS or literature for any transistor types. Wade, 657 14 th Ave., Prospect Park, PA 19076.

WANTED— CABINET in good condition for Zenith model 7-S-232 (5709 chassis) along with 8" speaker P/N 49- 203 if available. Jim Briscoe, P. O. Box 327, Shoals, IN 47581. (812) 247-2497.

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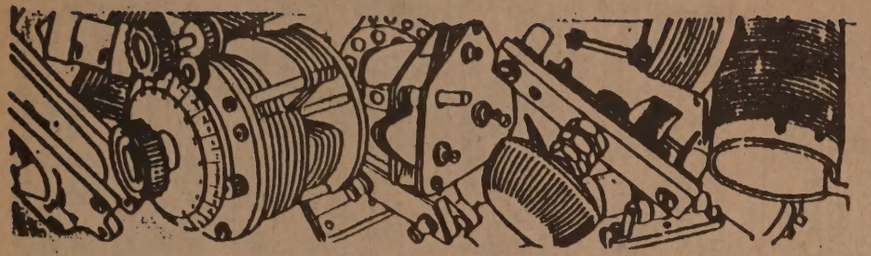

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- Radios, The Golden Age - Philip Collins

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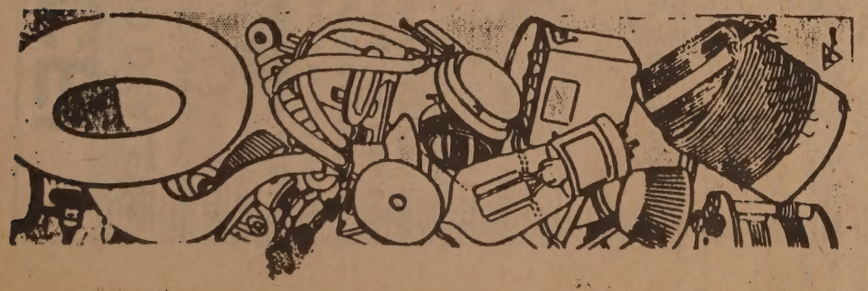

OCTOBER

THE HORN SPEAKER

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